



Kentucky Agricultural Statistics Service
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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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Released weekly April through November

Issued 4:00 P.M., June 25, 2001

JMB 14-01

AGRICULTURAL NEWS: The past week was good for fieldwork throughout the State, with the harvesting of wheat, planting of double crop soybeans, and cutting of hay being the major field activities. Rain came late in the week providing needed rain for much of the State. Some areas could still use more rain, especially western Kentucky. Days suitable for fieldwork averaged 4.7 out of a possible six days. **Topsoil moisture** as of Friday, June 22 was rated 3 percent very short, 22 percent short, 70 percent adequate, and 5 percent surplus. **Subsoil moisture** was rated 9 percent very short, 32 percent short, 55 percent adequate, and 4 percent surplus.

CORN: The corn crop continues to look good, with a few reports of insect problems. The condition of the crop was rated as 3 percent poor, 15 percent fair, 57 percent good, and 25 percent excellent, as of Friday, June 22. As of Sunday, June 24, 32 percent of the corn was tasseling compared to 20 percent a year ago, and the five year average of 9 percent. Eleven percent of the corn was silking compared to 9 percent a year ago, and 3 percent for the five year average.

SOYBEANS: Planting of double crop soybeans continued with the harvesting of wheat. Seeding of all soybeans was 91 percent complete as of Sunday, June 24, compared with 82 percent last year, and the five year average of 66 percent. Eighty-eight percent of the crop had emerged, compared with 79 percent a year ago, and 59 percent for the five year average. Average

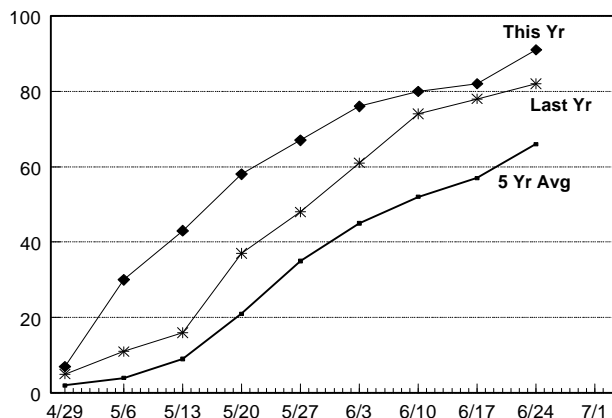
height of emerged soybeans was 12 inches as of Sunday. Condition of the crop was reported as 2 percent very poor, 4 percent poor, 14 percent fair, 62 percent good, and 18 percent excellent.

TOBACCO: The tobacco crop was doing well in most areas, with the only problem being reported was various types of worms. Condition of the set tobacco was reported as 1 percent very poor, 5 percent poor, 23 percent fair, 61 percent good, and 10 percent excellent. As of Friday, June 22, 8 percent of the set tobacco was over 24 inches, 34 percent was 12-24 inches, and 58 percent was under 12 inches in height.

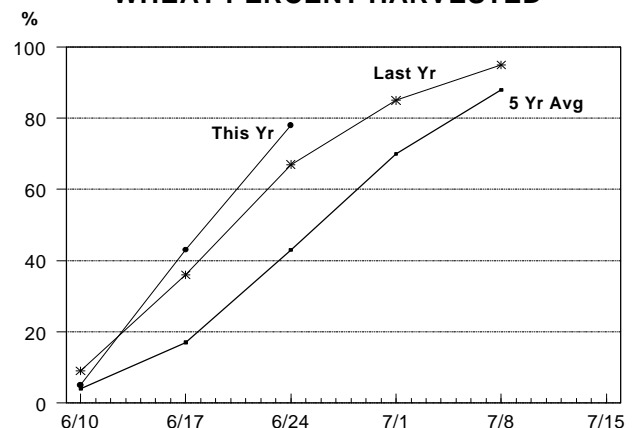
SMALL GRAINS: **Wheat** harvest was in full swing this week with 78 percent of the crop harvested as of Sunday, June 24, well ahead of the 67 percent a year ago. Most areas of the State are reporting good wheat yields and good quality. **Barley** harvest was practically complete with 97 percent of the acres harvested by Sunday, June 24.

OTHER CROPS: One of the major farm activities this past week was the cutting and baling of **hay** throughout the State. Most areas of the State received little rain early in the week, which helped with the cutting of hay. **Pasture** conditions have slightly declined over the past week with pasture conditions rated as 2 percent very poor, 7 percent poor, 34 percent fair, 52 percent good, and 5 percent excellent. **Sorghum** planting was nearly complete with 99 percent of the crop planted.

SOYBEAN PLANTING PROGRESS



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 24, 2001

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Silking	11	9	3	NA	NA
Soybeans					
Planted	91	82	66	82	92
Emerged	88	79	59	80	83
Wheat Harvested	78	67	43	43	21
Barley Harvested	97	93	85	95	NA

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JUNE 22, 2001

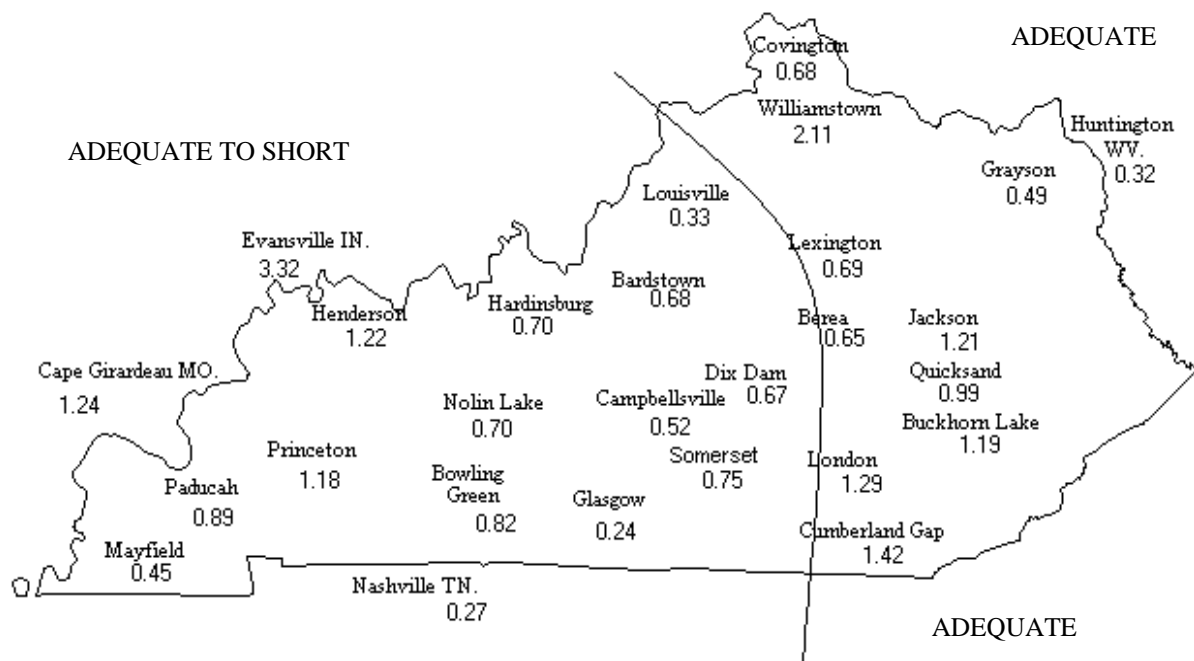
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	3	2
Short	22	19
Adequate	70	74
Surplus	5	5
SUBSOIL		
Very Short	9	5
Short	32	28
Adequate	55	63
Surplus	4	4

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JUNE 22, 2001						WEEK ENDING JUNE 15, 2001					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	
Corn	0	3	15	57	25	0	2	14	56	28	
Soybeans	2	4	14	62	18	1	3	19	61	16	
Pasture	2	7	34	52	5	2	9	28	49	12	
Tobacco	1	5	23	61	10	0	4	27	57	12	

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 24, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 22, 2001



KENTUCKY WEATHER SUMMARY, JUNE 18 - 24, 2001: **BELOW NORMAL TEMPERATURES AND SLIGHTLY ABOVE NORMAL RAINFALL:**

Hot and humid to start the week, cool at the end of the week. The week started out with humid conditions and high temperatures reaching the 90s in some areas of the State. These conditions created livestock heat stress in the danger category for the beginning of the week but with no rain farmers were able to work in the fields with no interruptions. The end of the week saw temperatures cool down and rain showers/thunderstorms move through the State Thursday through Saturday providing some much needed rainfall, especially in Western Kentucky.

Temperatures for the period averaged 72 degrees across the State which was 2 degrees BELOW NORMAL. High temperatures averaged from 85 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees BELOW NORMAL in the West to 1 degree BELOW NORMAL in the East. Low temperatures averaged from 62 degrees in the West to 60 degrees in the East. Departure from normal low temperature ranged from 2 degrees BELOW NORMAL in the West to 3 degrees BELOW NORMAL in the East. Rainfall for the period totaled 0.96 inches statewide which was 0.07 inches ABOVE NORMAL. Precipitation totals by climate division, West 1.38 inches, Central 0.58 inches, Bluegrass 0.92 inches and East 0.96 inches, which was +0.53, -0.34, +0.04 and +0.04 inches respectively from normal. By Kentucky station, precipitation totals ranged from a low of 0.24 inches at Glasgow to a high of 2.11 inches at Williamstown.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JUNE 24, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.68	10.08	3.45	-1.20	-0.05	89	52	71.4	-3	145	1403	+110
Berea	0.65	10.31	5.48	-1.92	+1.70	89	51	70.8	-3	141	1383	+59
Bowling Green	0.82	10.08	3.80	-2.52	-0.17	92	58	74.8	+0	163	1537	+189
Bristol	1.51	8.57	3.17	-1.46	-0.17	90	52	72.1	-1	147	1314	+106
Buckhorn Lake	1.19	11.49	5.24	+0.31	+1.39	88	56	71.6	-2	147	1373	+213
Cape Girardeau	1.24	8.63	4.29	-3.77	+0.84	94	56	73.8	-2	156	1551	+148
Campbellsville	0.52	10.28	3.79	-2.98	-0.21	91	55	72.1	-2	147	1444	+144
Covington	0.68	11.00	4.41	-0.10	+0.79	90	52	69.0	-4	131	1273	+119
Cumberland Gap	1.42	8.66	3.21	-3.64	-0.82	90	55	72.3	-1	147	1406	+222
Dix Dam	0.67	10.03	4.12	-1.87	+0.57	90	54	71.2	-2	142	1386	+93
Evansville	3.32	10.11	5.19	-1.45	+1.79	92	58	73.2	-3	155	1518	+200
Glasgow	0.24	9.99	3.42	-3.30	-0.91	92	54	73.4	-1	153	1507	+243
Grayson	0.49	13.88	3.67	+2.92	+0.05	89	55	71.1	-2	145	1339	+240
Hardinsburg	0.70	9.61	3.22	-2.60	-0.44	92	57	73.1	-1	155	1497	+149
Henderson	1.22	8.03	2.96	-3.81	-0.66	92	56	73.1	-3	153	1517	+169
Huntington	0.32	13.58	3.72	+2.76	+0.21	89	55	71.1	-2	145	1329	+145
Jackson	1.21	9.86	4.14	-1.78	+0.51	87	56	70.9	-3	144	1362	+202
Lexington	0.69	9.65	2.77	-1.63	-0.73	91	56	71.4	-2	145	1394	+216
London	1.29	12.14	5.85	+1.06	+2.40	88	55	70.5	-3	140	1320	+136
Louisville	0.33	9.85	2.54	-1.77	-0.82	91	56	72.3	-2	150	1468	+150
Mayfield	0.45	6.50	2.91	-6.26	-0.43	90	56	72.0	-4	149	1425	+16
Nashville	0.27	10.04	3.50	-2.07	+0.01	91	58	74.9	+1	166	1573	+140
Nolin Lake	0.70	11.52	3.62	-1.63	-0.22	92	58	74.2	-0	160	1517	+272
Paducah	0.89	8.25	3.36	-4.94	-0.52	93	57	75.1	-1	165	1572	+169
Princeton	1.18	9.38	5.31	-3.46	+1.59	94	55	73.7	-2	157	1620	+242
Quicksand	0.99	12.26	5.93	+0.62	+2.30	88	56	71.4	-2	146	1368	+208
Somerset	0.75	10.39	3.20	-2.42	-0.85	91	55	71.1	-2	142	1385	+116
Spindletop	0.71	8.54	2.25	-2.74	-1.25	89	55	70.1	-3	137	1317	+139
Williamstown	2.11	12.40	6.06	+0.82	+2.47	91	55	70.8	-3	139	1362	+184

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

CORN PHENOLOGICAL STAGES:

- Silking* - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough* - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent* - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature* - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

SOYBEAN PHENOLOGICAL STAGES:

- Blooming* - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods* - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves* - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

SORGHUM PHENOLOGICAL STAGES:

- Headed* - The head is present, visible and fully emerged.
- Coloring* - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature* - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

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